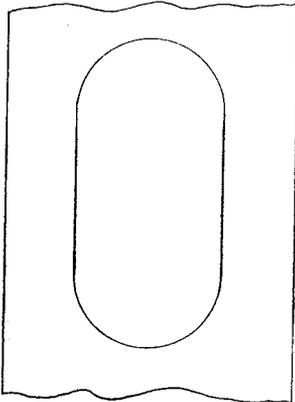
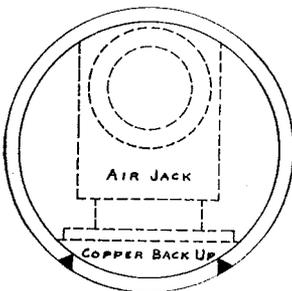


Fig. 21

ACCEPTED "WINDOW" PATCH FOR WATER TUBE
BOILER TUBES

This type of patch may be used if necessary to seal a hole cut in a water wall tube to provide access for welding the back side of a circum. joint or to replace a small sharp bag.

Window patches shall comply with provisions of sections Ind 41.50 and Ind 41.51 of this code. Patch shall be cut from tube of same size and thickness as the one being repaired.



When practicable, a removable copper backup recessed as shown to provide complete weld penetration through the tube wall and held in place by a removable air jack shall be used during the welding operation.

Ind 42.28 Vessels from other states. Second hand pressure vessels previously operated in other states shall meet the requirements of section Ind 42.26.

History: Cr. Register, April, 1961, No. 64, eff. 5-1-61.

Ind 42.29 Lap seam boilers. Second hand boilers which have lap seam construction and which are larger than 36 inches in diameter shall be limited to a maximum allowable working pressure of not more than 15 pounds per square inch.

History: Cr. Register, April, 1961, No. 64, eff. 5-1-61.

Ind 42.30 Prohibited boilers. The installation of second hand boilers which have the longitudinal joint exposed to the intense heat of the furnace is prohibited.

Note. The locomotive or inside welt strap will not be considered as strengthening or changing the original type of boiler joint.

History: Cr. Register, April, 1961, No. 64, eff. 5-1-61.

Ind 42.31 Inspection and testing. (1) Every second hand boiler and unfired pressure vessel shall be inspected and given a hydrostatic pressure test at 1½ times the working pressure by an authorized inspector at its new point of installation location before it is placed in operation, except for the following:

(a) Vessels used for the storage and transportation of liquefied petroleum gases or anhydrous ammonia.

(b) Vessels containing more than 2,000 gallons of refrigerant.

(2) The vessels excluded in subsection (1) may be acceptable for use provided a copy of the manufacturer's data sheet is furnished to the industrial commission for each vessel indicating that it was manufactured originally to the requirements of section Ind 41.50. If a vessel has been repaired since its fabrication, a copy of the new manufacturer's data report shall be furnished to the industrial commission.

(3) For unfired pressure vessels where a hydrostatic test, in the opinion of the industrial commission, is not possible or desirable, the industrial commission may accept alternate means to determine the safety of the vessel for its intended use.

History: Cr. Register, April, 1961, No. 64, eff. 5-1-61; am. Register, January, 1966, No. 121, eff. 2-1-66.

Ind 42.32 Installation. All second hand pressure vessels exclusive of vessels used for the storage and transportation of liquefied petroleum gases, anhydrous ammonia, and all refrigerant containing vessels when re-installed shall comply with the A.S.M.E. codes listed in section Ind 41.50 in regard to fittings, appliances, valves, connections, settings and supports. (The excluded vessels are subject to the provisions of other applicable administrative codes.)

History: Cr. Register, April, 1961, No. 64, eff. 5-1-61.

Ind 42.33 Portable boilers. A portable boiler, when brought into this state for use, shall be given the inspection and test specified in section Ind 42.31 and the allowable working pressure shall be calculated using sections Ind 41.60 through Ind 41.99 unless it meets either of the following requirements:

(1) The boiler was constructed and stamped according to section Ind 42.26 code constructed vessels.

(2) The boiler is insured by a boiler insurance company.

History: Cr. Register, April, 1961, No. 64, eff. 5-1-61.